At line 5 of claim 245, delete "dialkyl" and insert in place thereof --dialkyltin--;

Add new claims 247-323 as follows.

- --247. A composition comprising a product produced by mixing:
- (i) a mono- or diorganotin compound wherein at least one atom bonded to tin is sulfur; and
 - (ii) a mercapto alkanol ester of a monocarboxylic acid.
- 248. The composition of claim 247, wherein in the mono- or di- organotin compound there is bonded to tin at least one alkyl mercapto ester group.
- 249. The composition of claim 247, wherein at least one sulfur bonded to tin is the residue of a mercaptan.
- 250. The composition of claim 247, wherein at least one sulfur bonded to tin is the residue of a mercapto acid.
- 251. The composition of alaim 247, wherein at least one sulfur bonded to tin is the residue of a mercapto alcohol.
- 252. The composition of claim 247, wherein at least one sulfur bonded to tin is the residue of a mercapto acid ester.



253. The composition of claim 247, wherein at least one sulfur bonded to tin is the residue of a mercapto alcohol ester.

254. The composition of claim 247, wherein the mono- or diorganotin compound is selected from the group consisting of di-noctyltin bis-(isooctyl mercapto acetate); di-n-butyltin bis(isooctyl mercapto acetate); a mixture of an anhydride of
thiobutyl stannic acid with di-n-butyltin bis-(isodecyl mercapto
acetate); and a condensation polymer of butyl stannic acid and
butyl thiostannic acid.

255. The composition of claim 247, wherein the mercapto alkanol ester of a monocarboxylic acid has the formula:

RCOOR'SH

wherein R is a linear or branched alkyl or alkenyl, aryl or aralkyl containing at least two carbon atoms; and R' designates a C_2 to C_{18} alkylene.

256. The composition of claim 255, wherein R contains 6 to 38 carbon atoms.

- 257. The composition of claim 256, wherein R contains 8 to 18 carbon atoms.
- 258. The composition of claim 255, wherein R' contains 2 to 6 carbon atoms.

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- 259. The composition of claim 247, wherein the monocarboxylic acid is selected from the group consisting of caprylic, pelargonic, capric, undecanoic, lauric, myristic, palmitic, stearic, isostearic, and mixtures thereof.
- 260. The composition of claim 247, wherein the mercapto alkanol ester of a monocarboxylic acid is selected from the group consisting of mercapto ethyl stearate, 3-thio-glyceryl myristate, mercapto ethyl palmitate and mercapto ethyl myristate.
- 261. The composition of claim 247, further comprising a vinyl halide resin.
- 262. The composition of claim 261, wherein the product produced by mixing the organotin compound and the mercapto alkanol ester of a monocarboxylic acid are present in an amount effective to stabilize the vinyl halide resin against heat or light.
- 263. The composition of claim 261, wherein the mercapto alkanol ester of a monocarboxylic acid is present in the range of 0.1 % wt. to 5 %/wt. of the vinyl halide resin.
- 264. The composition of claim 261, wherein the vinyl halide resin is polyvinyl chloride.



- 265. A method of stabilizing a vinyl halide resin comprising adding to the vinyl halide resin in an amount effective to stabilize the vinyl halide resin a product produced by mixing:
- (i) a mono- or diorganotin compound wherein at least one atom bonded to tin is sulfur; and
 - (ii) a mercapto alkanol ester of/a monocarboxylic acid.
- 266. The method of claim 265, wherein in the mono- or diorganotin compound there is bonded to tin at least one alkyl mercapto ester group.
- 267. The method of claim 265, wherein at least one sulfur bonded to tin is the residue of a mercaptan.
- 268. The method of claim 265, wherein at least one sulfur bonded to tin is the residue of a mercapto acid.
- 269. The method of claim 265, wherein at least one sulfur bonded to tin is the residue of a mercapto alcohol.
- 270. The method of claim 265, wherein at least one sulfur bonded to tin is the residue of a mercapto acid ester.
- 271. The method of claim 265, wherein at least one sulfur bonded to tin is the residue of a mercapto alcohol ester.



- 272. The method of claim 265, wherein the mono- or diorganotin compound is selected from the group consisting of di-noctyltin bis-(isooctyl mercapto acetate); di-n-butyltin bis(isooctyl mercapto acetate); a mixture of an anhydride of
 thiobutyl stannic acid with di-n-butyltin bis-(isodecyl mercapto
 acetate); and a condensation polymer of butyl stannic acid and
 butyl thiostannic acid.
- 273. The method of claim 265, wherein the mercapto alkanol ester of a monocarboxylic acid has the formula:

RCOOR'SH

wherein R is a linear or branched alkyl or alkenyl, aryl or aralkyl containing at least two carbon atoms; and R' designates a C2 to C18 alkylene.

- 274. The method of claim 273, wherein R contains 6 to 38 carbon atoms.
- 275. The method of claim 274, wherein R contains 8 to 18 carbon atoms.
- 276. The method of claim 273, wherein R' contains 2 to 6 carbon atoms.

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- 277. The method of claim 265, wherein the monocarboxylic acid is selected from the group consisting of caprylic, pelargonic, capric, undecanoic, lauric, myristic, palmitic, stearic, isostearic, and mixtures thereof.
- 278. The method of claim 265, wherein the mercapto alkanol ester of a monocarboxylic acid is selected from the group consisting of mercapto ethyl stearate, 3-thio-glyceryl myristate, mercapto ethyl palmitate and mercapto ethyl myristate.
- 279. The method of claim 265, wherein the vinyl halide resin is polyvinyl chloride.
- 280. In a composition for stabilizing a vinyl halide resin containing a mono- or diorganotin compound wherein at least one atom bonded to tin is sulfur, the improvement comprising the addition of a mercapto elkanol ester of a monocarboxylic acid.
- 281. The composition of claim 280, wherein in the mono- or di- organotin compound there is bonded to tin at least one alkyl mercapto ester group.
- 282. The composition of claim 280, wherein at least one sulfur bonded to tin is the residue of a mercaptan.
- 283. The composition of claim 280, wherein at least one sulfur bonded to tin is the residue of a mercapto acid.



- 284. The composition of claim 280, wherein at least one sulfur bonded to tin is the residue of a mercapto alcohol.
- 285. The composition of claim 280, wherein at least one sulfur bonded to tin is the residue of a mercapto acid ester.
- 286. The composition of claim 280, wherein at least one sulfur bonded to tin is the residue of a mercapto alcohol ester.
- 287. The composition of claim 280, wherein the mono- or diorganotin compound is selected from the group consisting of di-noctyltin bis-(isooctyl mercapto acetate); di-n-butyltin bis(isooctyl mercapto acetate); a mixture of an anhydride of
 thiobutyl stannic acid with di-n-butyltin bis-(isodecyl mercapto
 acetate); and a condensation polymer of butyl stannic acid and
 butyl thiostannic acid.
- 288. The composition of claim 280, wherein the mercapto alkanol ester of a monocarboxylic acid has the formula:

RCOOR'SH

wherein R is a linear or branched alkyl or alkenyl, aryl or aralkyl containing at least two carbon atoms; and R' designates a C_2 to C_{18} alkylene.

289. The composition of claim 288, wherein R contains 6 to 38 carbon atoms.

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- 290. The composition of claim 289, wherein R contains 8 to 18 carbon atoms.
- 291. The composition of claim 288, wherein R' contains 2 to 6 carbon atoms.
- 292. The composition of claim 280, wherein the monocarboxylic acid is selected from the group consisting of caprylic, pelargonic, capric, undecanoic, lauric, myristic, palmitic, stearic, isostearic, and mixtures thereof.
- 293. The composition of claim 280, wherein the mercapto alkanol ester of a monocarboxylic acid is selected from the group consisting of mercapto ethyl stearate, 3-thio-glyceryl myristate, mercapto ethyl palmitate and mercapto ethyl myristate.
- 294. The composition of claim 280, wherein the mercapto alkanol ester of a monocarboxylic acid is present in the range of 0.1 % wt. to 5 % wt. of the vinyl halide resin to be stabilized.
- 295. The composition of claim 280, wherein the vinyl halide resin is polyvinyl chloride.

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- 296. A composition comprising a product produced by mixing:
- (i) a mono- or diorganotin compound wherein at least one atom bonded to tin is a halogen; and
 - (ii) a mercapto alkanol ester of a monocarboxylic acid.
- 297. The composition of claim 296, wherein the mercapto alkanol ester of a monocarboxylic acid has the formula:

RCOOR'SH

wherein R is a linear or branched alkyl or alkenyl, aryl or aralkyl containing at least two carbon atoms; and R' designates a C₂ to C₁₈ alkylene.

- 298. The composition of claim 297, wherein R contains 6 to 38 carbon atoms.
- 299. The composition of claim 298, wherein R contains 8 to 18 carbon atoms.
- 300. The composition of claim 297, wherein R' contains 2 to 6 carbon atoms.
- 301. The composition of claim 296, wherein the monocarboxylic acid is selected from the group consisting of caprylic, pelargonic, capric, undecanoic, lauric, myristic, palmitic, stearic, isostearic, and mixtures thereof.

- 302. The composition of claim 296, wherein the mercapto alkanol ester of a monocarboxylic acid is selected from the group consisting of mercapto ethyl stearate, 3-thio-glyceryl myristate, mercapto ethyl palmitate and mercapto ethyl myristate.
- 303. The composition of claim 296, further comprising a vinyl halide resin.
- 304. The composition of claim 303, wherein the product produced by mixing the organotin compound and the mercapto alkanol ester of a monocarboxylic acid are present in an amount effective to stabilize the vinyl halide resin against heat or light.
- 305. The composition of claim 304, wherein the mercapto alkanol ester of a monocarboxylic acid is present in the range of 0.1 % wt. to 5 % wt. of the vinyl halide resin.
- 306. The composition of claim 303, wherein the vinyl halide resin is polyvinyl chloride.
- 307. A method of stabilizing a vinyl halide resin comprising adding to the vinyl halide resin in an amount effective to stabilize the vinyl halide resin a product produced by mixing:
- (i) a mono- or diorganotin compound wherein at least one atom bonded to tin/is a halogen; and
 - (ii) a mercapto alkanol ester of a monocarboxylic acid.

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308. The method of claim 307, wherein the mercapto alkanol ester of a monocarboxylic acid has the formula:

RCOOR'SH

wherein R is a linear or branched alkyl or alkenyl, aryl or aralkyl containing at least two carbon atoms; and R' designates a C_2 to C_{18} alkylene.

- 309. The method of claim 308, wherein R contains 6 to 38 carbon atoms.
- 310. The method of claim 30%, wherein R contains 8 to 18 carbon atoms.
- 311. The method of claim 307, wherein R' contains 2 to 6 carbon atoms.
- 312. The method of claim 306, wherein the monocarboxylic acid is selected from the group consisting of caprylic, pelargonic, capric, undecanoic, lauric, myristic, palmitic, stearic, isostearic, and mixtures thereof.
- 313. The method of claim 306, wherein the mercapto alkanol ester of a monocarboxylic acid is selected from the group consisting of mercapto ethyl stearate, 3-thio-glyceryl myristate, mercapto ethyl palmitate and mercapto ethyl myristate.

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- 314. The method of claim 306, wherein the vinyl halide resin is polyvinyl chloride.
- 315. In a composition for stabilizing a vinyl halide resin containing a mono- or diorganotin compound wherein at least one atom bonded to tin is a halogen, the improvement comprising the addition of a mercapto alkanol ester of a monocarboxylic acid.
- 316. The composition of claim \$15, wherein the mercapto alkanol ester of a monocarboxylic acid has the formula:

RCOOR'SH

wherein R is a linear or branched alkyl or alkenyl, aryl or aralkyl containing at least two carbon atoms; and R' designates a C_2 to C_{18} alkylene.

- 317. The composition of claim 316, wherein R contains 6 to 38 carbon atoms.
- 318. The composition of claim 317, wherein R contains 8 to 18 carbon atoms.
- 319. The composition of claim 316, wherein R' contains 2 to 6 carbon atoms.

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- 320. The composition of claim 315, wherein the monocarboxylic acid is selected from the group consisting of caprylic, pelargonic, capric, undecanoic, lauric, myristic, palmitic, stearic, isostearic, and mixtures thereof.
- 321. The composition of claim 315, wherein the mercapto alkanol ester of a monocarboxylic acid is selected from the group consisting of mercapto ethyl stearate, 3-thio-glyceryl myristate, mercapto ethyl palmitate and mercapto ethyl myristate.
- 322. The composition of claim 315, wherein the mercapto alkanol ester of a monocarboxylic acid is present in the range of 0.1 % wt. to 5 % wt. of the vinyl halide resin to be stabilized.
- 323. The composition of claim 315, wherein the vinyl halide resin is polyvinyl chloride.--

REMARKS

Claims 193-198, 200-207, 209-217, 219-225, 227-233, and 237-323 are presently pending in this application.

Applicants have amended allowed claims 237-246 to recite that the "dialkyl" claimed therein is a "dialkyltin." Applicants inadvertently omitted the "tin" designation upon adding these claims in the Preliminary Amendment dated April 17, 1991. Because Applicants have made this amendment merely to correct an